

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/006604

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D207/26 C07D403/10 C07D417/12 C07D417/14 A61K31/402
A61K31/4025 A61P7/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, Y	WO 03/053925 A1 (GLAXO GROUP LIMITED, UK) 3 July 2003 (2003-07-03) see compounds of formula I according to claim 1 and their activity as inhibitor of factor Xa;	1-12
Y	WO 98/24784 A (CHOI SLEDESKI YONG MI ; PAULS HEINZ W (US); EWING WILLIAM R (US); SPAD) 11 June 1998 (1998-06-11) see compounds of claim 1 with definition of n as zero and their activity as inhibitor of factor Xa; ----- -/--	1-12

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

20 August 2004

Date of mailing of the international search report

30/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Traegler-Goeldel, M

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/006604

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 03/043981 A (KLEANTHOUS SAVVAS ; YOUNG ROBERT JOHN (GB); SENER STEFAN (GB); CHAN C) 30 May 2003 (2003-05-30) see compounds of formula I of claim 1, especially definition of residue R6 and their activity as inhibitor of factor Xa	1-12
Y	US 5 958 918 A (CHOI-SLEDISKI YONG MI ET AL) 28 September 1999 (1999-09-28) see compounds of formula I of claim 1 and their activity as inhibitor of factor Xa;	1-12

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2004/006604

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 11
because they relate to subject matter not required to be searched by this Authority, namely:
Although claim 11 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/006604

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03053925	A1	03-07-2003	NONE	
WO 9824784	A	11-06-1998	US 5731315 A AP 800 A AU 727810 B2 AU 6012198 A BG 102725 A BR 9707489 A CA 2245699 A1 CN 1418882 A CN 1213370 A ,B CZ 9802757 A3 EA 1739 B1 EP 0894088 A1 HU 9801882 A2 HU 9903336 A2 JP 2000505815 T NO 983603 A OA 10823 A PL 328618 A1 SI 9720019 A SK 122398 A3 WO 9824784 A1 US 6034093 A ZA 9710968 A	24-03-1998 19-01-2000 21-12-2000 29-06-1998 31-03-1999 27-07-1999 11-06-1998 21-05-2003 07-04-1999 13-01-1999 27-08-2001 03-02-1999 28-12-1998 28-12-2000 16-05-2000 05-10-1998 24-07-2001 01-02-1999 28-02-1999 11-01-1999 11-06-1998 07-03-2000 22-07-1998
WO 03043981	A	30-05-2003	EP 1444201 A1 WO 03043981 A1	11-08-2004 30-05-2003
US 5958918	A	28-09-1999	US 5612353 A US 6034093 A AP 799 A AU 714319 B2 AU 6166996 A BG 63628 B1 BG 102162 A BR 9608405 A CA 2223403 A1 EA 700 B1 EP 0853618 A1 JP 11507368 T NO 975762 A PL 323780 A1 SI 9620093 A SK 160697 A3 CN 1190395 A CZ 9703853 A3 HU 9801882 A2 OA 10752 A WO 9640679 A1 US 5731315 A	18-03-1997 07-03-2000 19-01-2000 06-01-2000 30-12-1996 31-07-2002 30-09-1998 24-08-1999 19-12-1996 28-02-2000 22-07-1998 29-06-1999 06-02-1998 27-04-1998 28-02-1999 04-11-1998 12-08-1998 12-05-1999 28-12-1998 04-07-2001 19-12-1996 24-03-1998